

i = length of a sequence; OPc = O-capped group; OPg = O-protecting group

FIG. 1

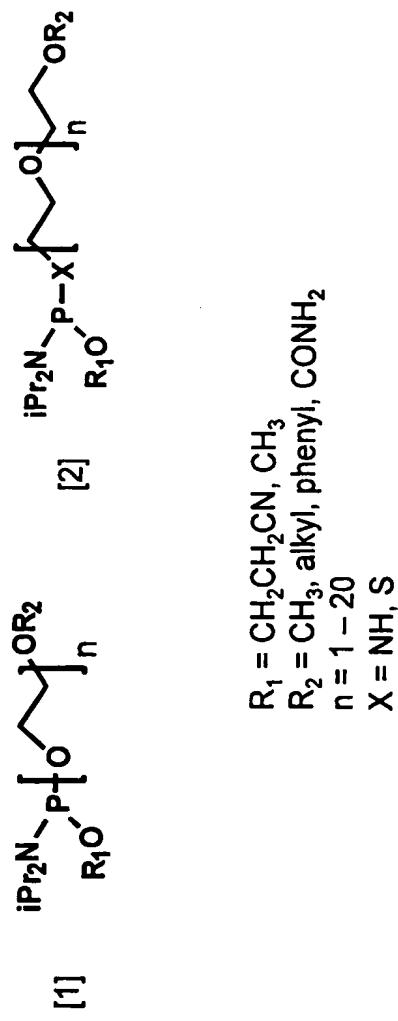
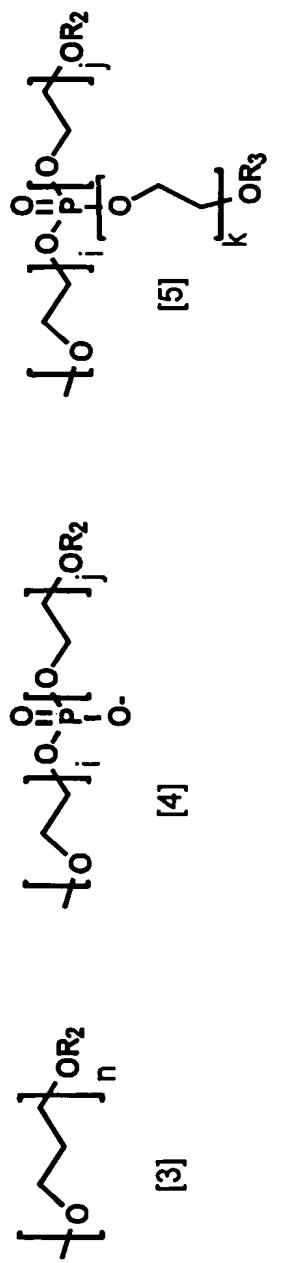
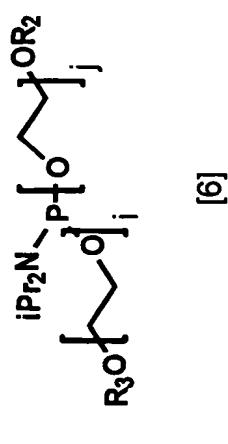


FIG. 2



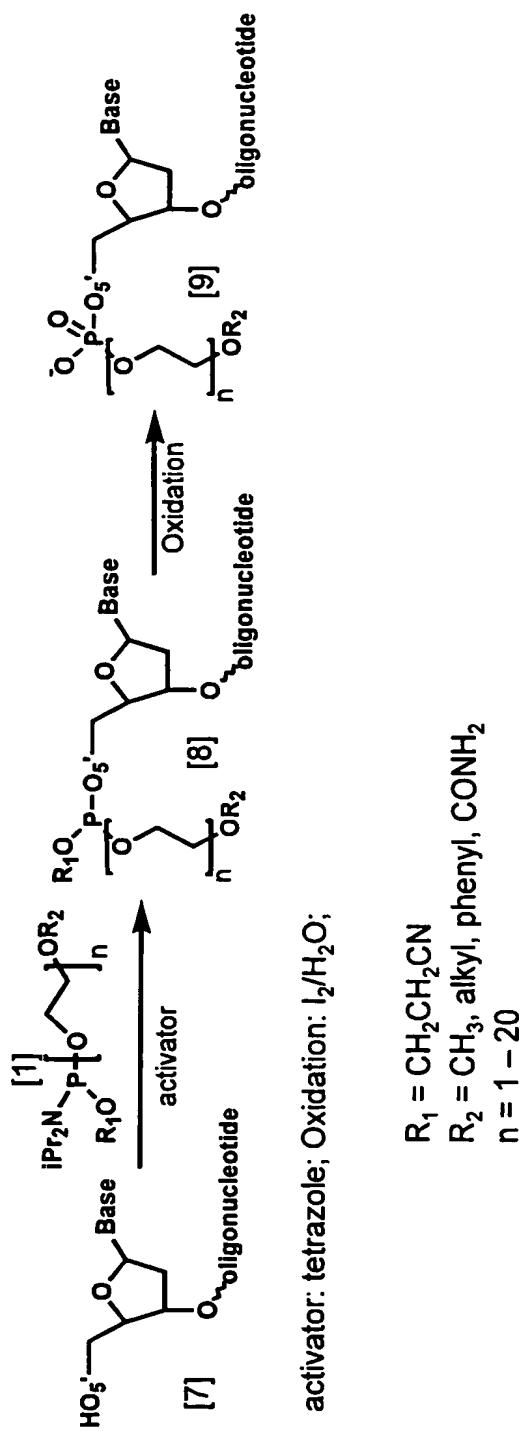
$\text{R}_2 = \text{CH}_3, \text{alkyl, phenyl, CONH}_2$
 $n, i, j = 1 - 20$

FIG. 3



$\text{R}_2, \text{R}_3 = \text{CH}_3, \text{alkyl, phenyl, CONH}_2$
 $i, j = 1 - 20$

FIG. 4



activator: tetrazole; Oxidation: $\text{I}_2/\text{H}_2\text{O}$;

$\text{R}_1 = \text{CH}_2\text{CH}_2\text{CN}$
 $\text{R}_2 = \text{CH}_3, \text{alkyl, phenyl, CONH}_2$
 $n = 1 - 20$

FIG. 5

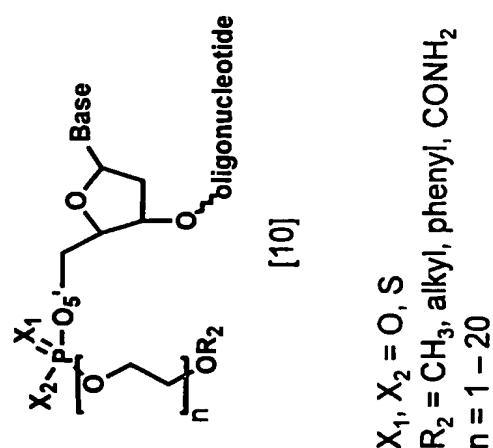


FIG. 6

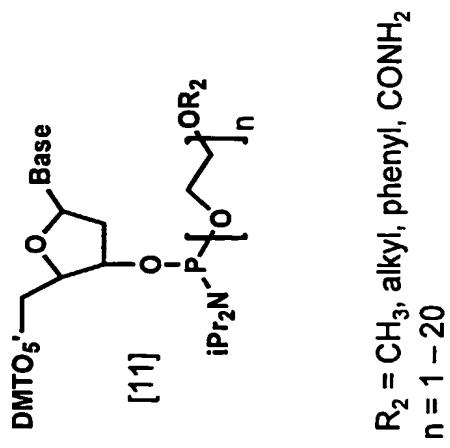


FIG. 7

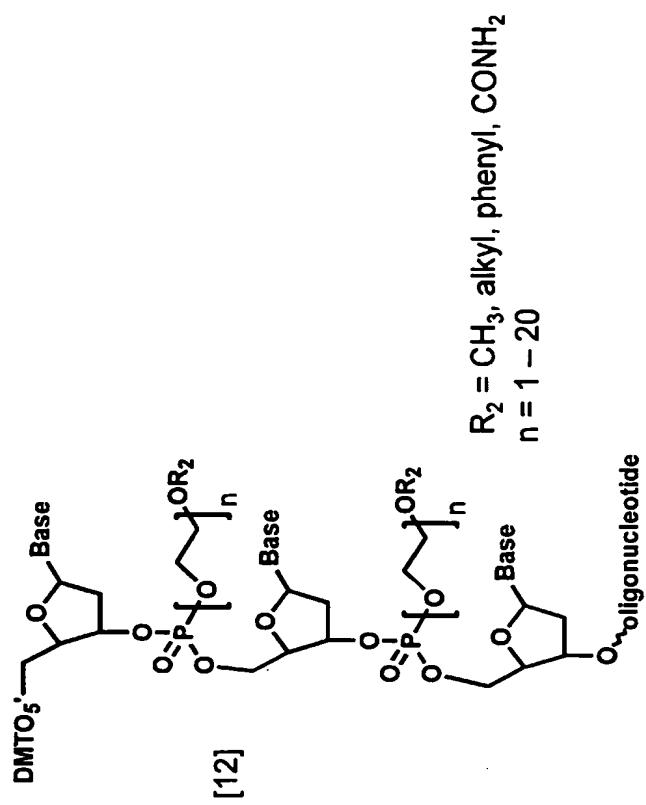
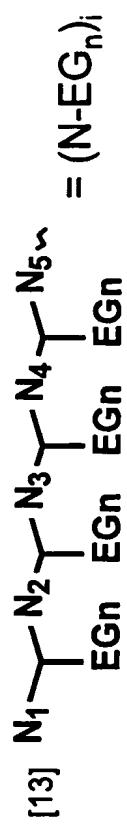


FIG. 8



$R_2 = CH_3, \text{alkyl, phenyl, CONH}_2, n = 1 - 20; i, j = 1 - 20$
 $EG = CH_2CH_2O, N_1, N_2, \dots N_i \text{ are nucleotide residues}$

FIG. 9

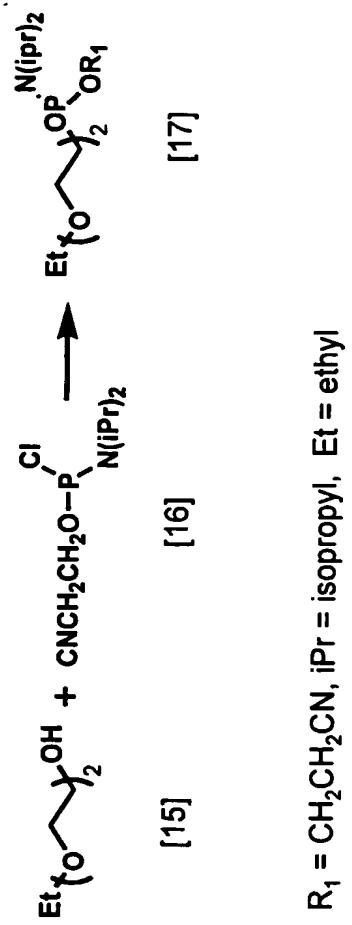


FIG. 10

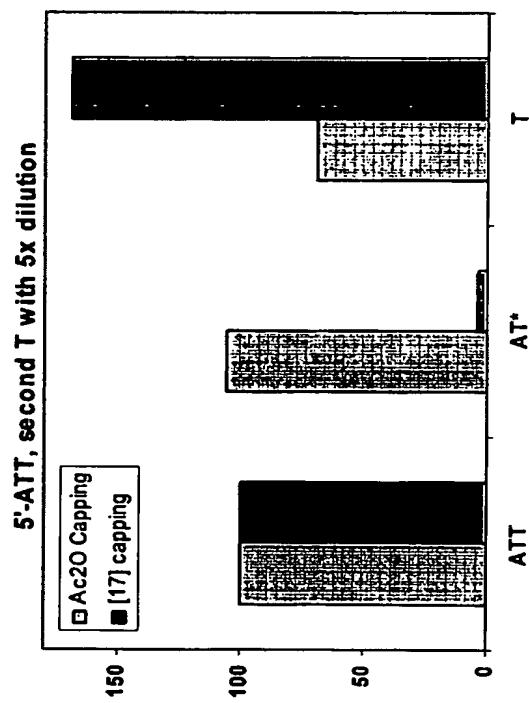


FIG 11

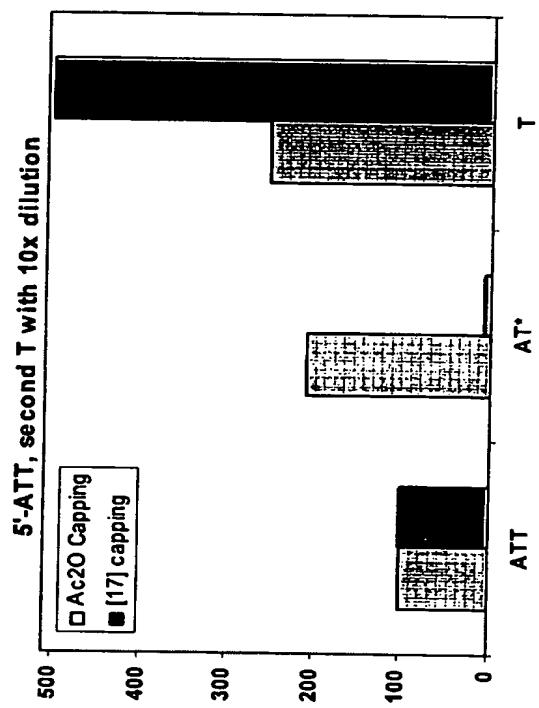
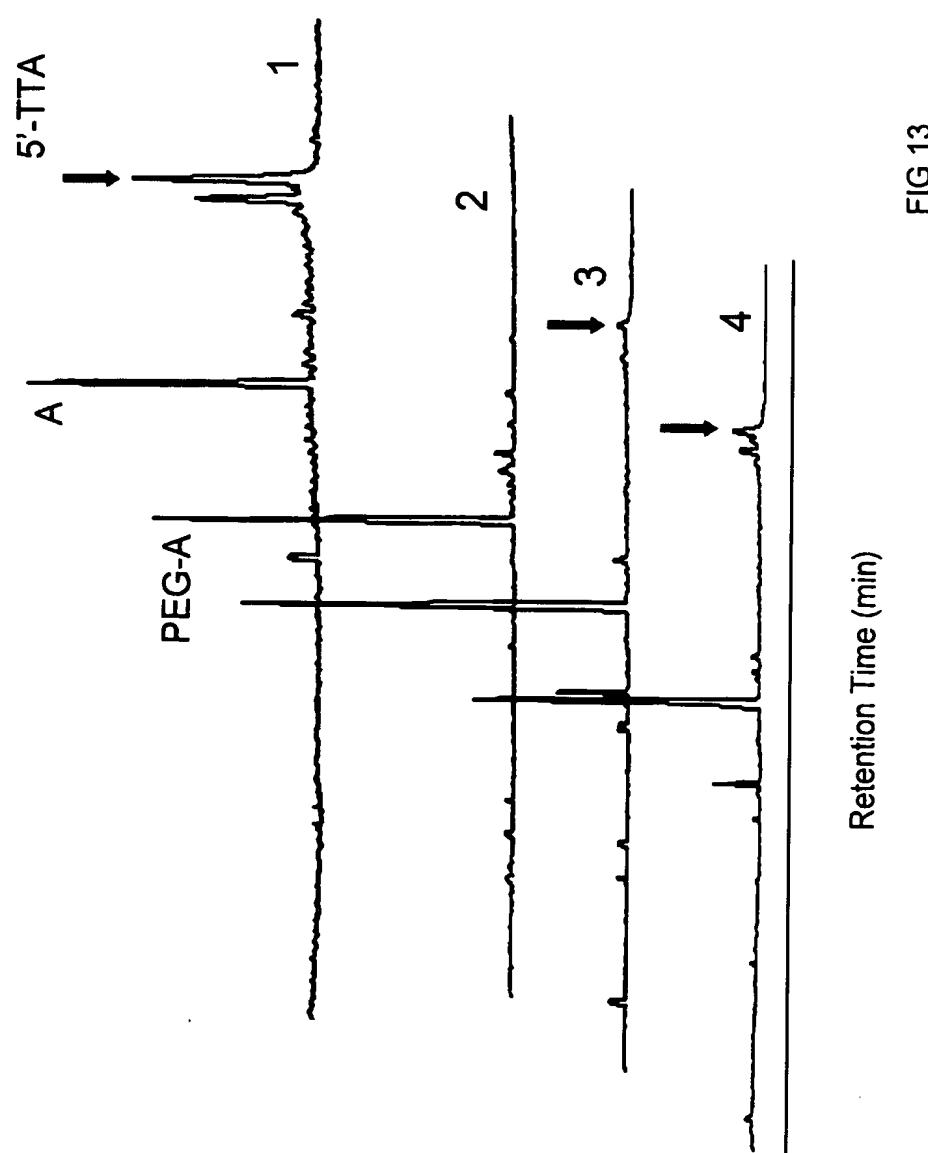


FIG 12



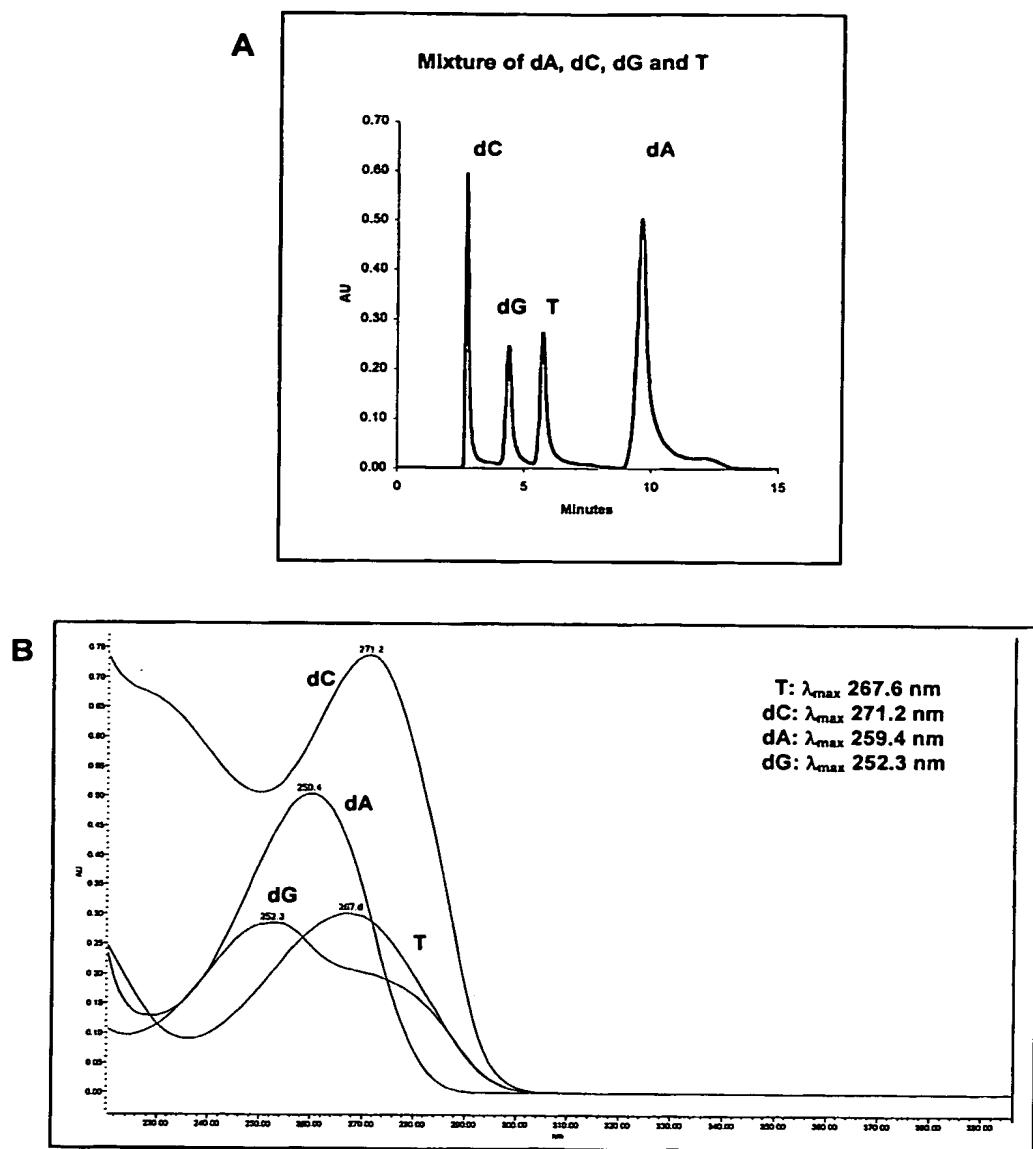
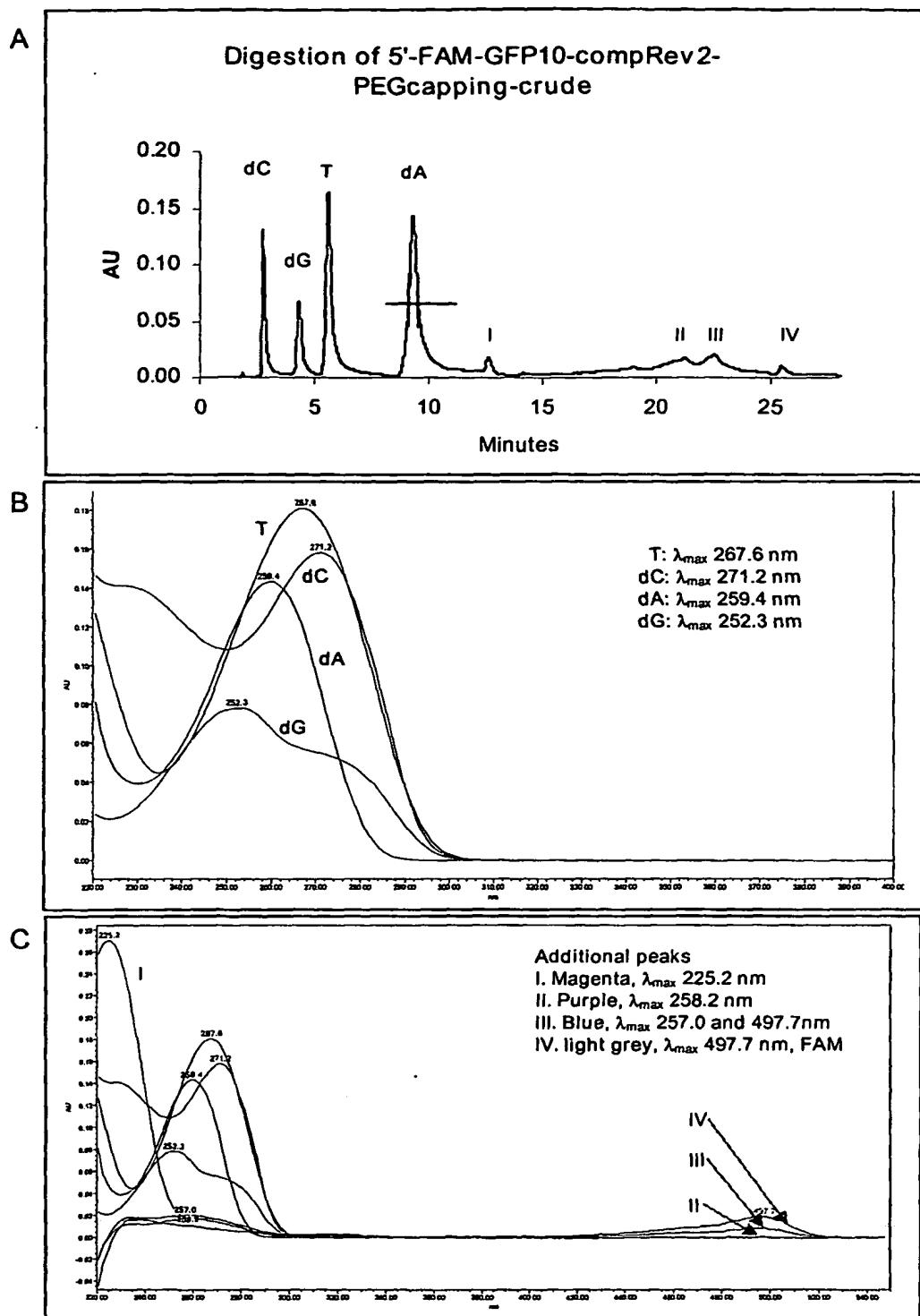


FIG. 14

**FIG. 15**

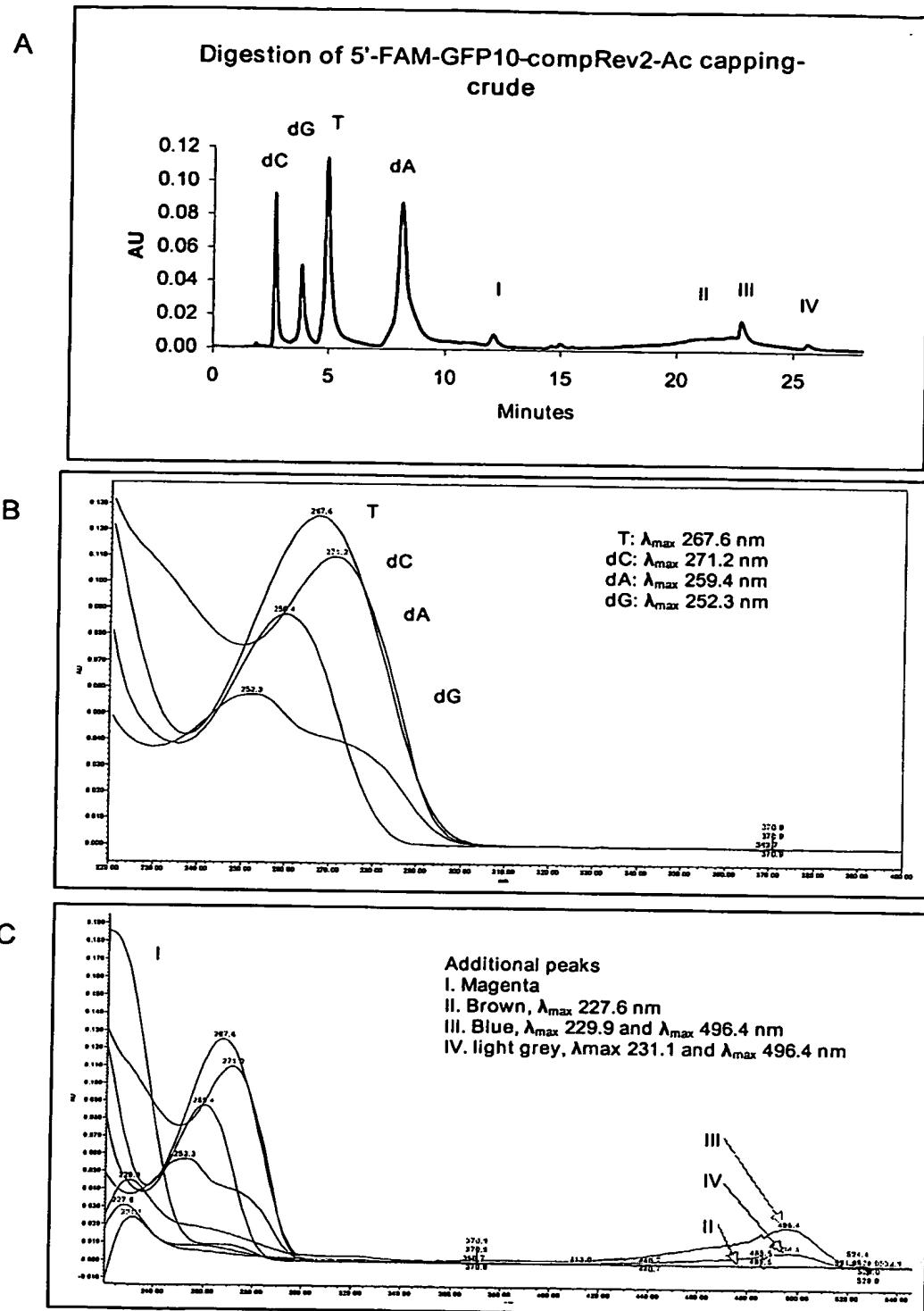


FIG. 16

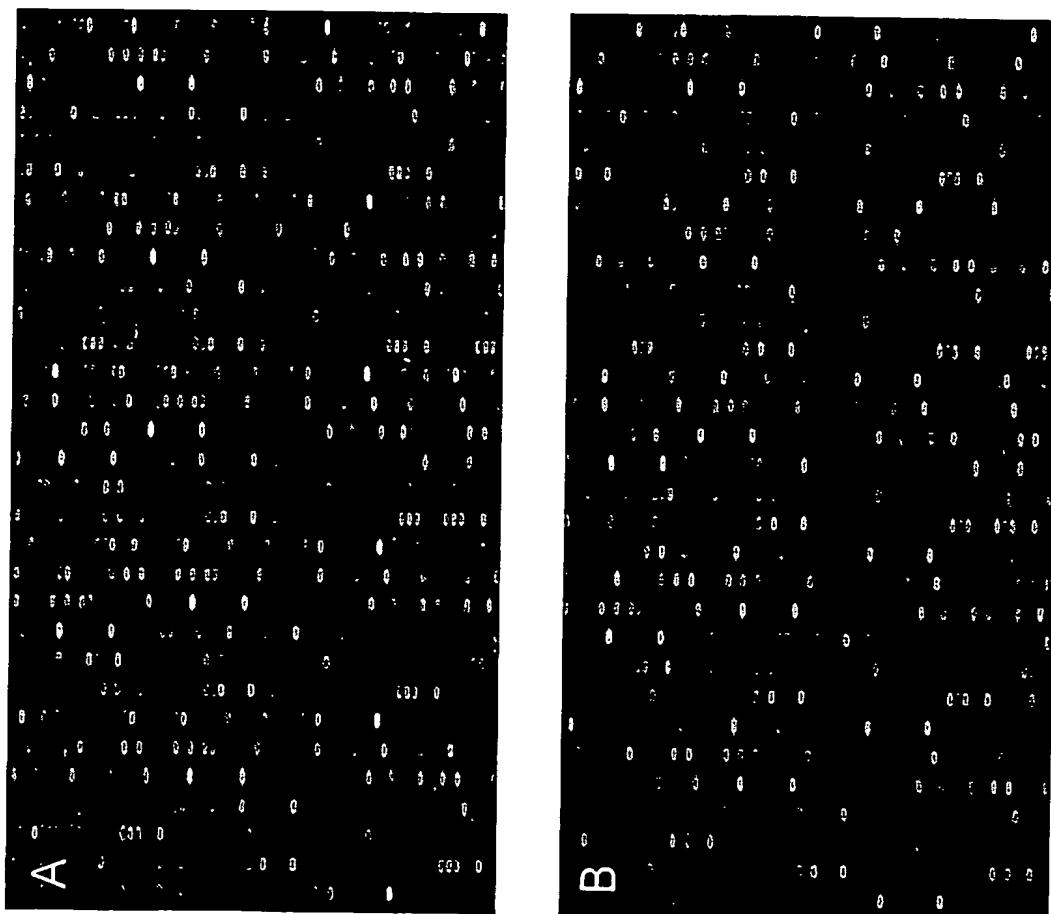


FIG 17

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